



Sheet 1 of 1

FORM PTO-1449
(Rev. 7-80)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

Atty. Docket No. 14534

Serial No.
10/722,423

LIST OF PRIOR ART CITED BY APPLICANT
(Use several sheets if necessary)

APPLICANT MacIsaac

FILING DATE 11/28/03

2616

GROUP 2034

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/KY/	AA	2002/0082886	06/27/02	Manganaris et al	705	7	
	AB						
	AC						
	AD						
	AE						
	AI						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

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	AL						
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	AN						
	AO						
	AP						

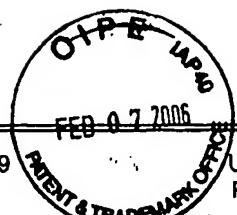
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER /Kan Yuen/ DATE CONSIDERED

05/31/2007

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Sheet 1 of 1

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APPLICANT MacIsaac

FILING DATE 11/28/03 GROUP 2616-2631

U.S. PATENT DOCUMENTS

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	AA						
	AB						
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	AD						
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	AF						
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	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES
	AL						
	AM						
	AN						
	AO						
	AP						

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

/KY/	AR		WADeS: A tool for distributed denial of service attack detection; A thesis by Anu Ramanathan, August 2002, 73 pages
	AS		
	AT		

EXAMINER

/Kan Yuen/

DATE CONSIDERED

05/25/2007

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 INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>	Atty. Docket No.	Serial No.
	14534	10/722,423
	Applicant(s)	
	MacIsaac, Gary Lorne	
Filing Date	Group	2616
November 28, 2003	2617	

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

OTHER ART (including Author, Title, Date, Pertinent Pages, Etc.)

	C1	CHEN, Thomas M.; "Worm Epidemics in High-Speed Networks", IEEE Computer Society, 2004
	C2	LAM, Lap Fan; "E-Mail Viruses Detection: Detect E-Mail Virus by Network Traffic", The Faculty of School of Engineering and Applied Science, University of Virginia, March 24, 2002
	C3	STOLL, Clifford; "Stalking the Wily Hacker", Communication of the ACM, pp. 484-497, Volume 31, Number 5, May 1988

EXAMINER /Kan Yuen/	DATE CONSIDERED 05/25/2007
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EXAMINER:

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DATE CONSIDERED

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Form PTO-A820

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INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>	Atty. Docket No.	Serial No.
	14534	10/722,423
	Applicant(s)	
	MacIsaac, Gary Lorne	
	Filing Date	Group
	November 28, 2003	2616 3634

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

OTHER ART (including Author, Title, Date, Pertinent Pages, Etc.)

/KY/	C4	HELMAN, Paul and Gunar Liepins; "Statistical Foundations of Audit Trial Analysis for the Detection of Computer Misuse", IEEE Transactions on Software Engineering, pp. 886-901, Vol. 19, No. 9, September 1993	
/KY/	C5	LIEPINS, G.E. and H.S. Vaccaro; "Intrusion Detection: Its Role and Validation", Computers & Security, pp. 347-355, 1992	
EXAMINER		/Kan Yuen/	
		DATE CONSIDERED 05/25/2007	

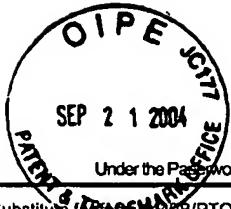
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Form PTO-A820

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PTO/SB/08B (10-01)

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Substitute (MPEP 608B/PTO)		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/722,423
(use as many sheets as necessary)		Filing Date	November 28, 2003
		First Named Inventor	MacISAAC, Gary Lorne
		Art Unit	2616
		Examiner Name	Kan Yuen
Sheet	1	of	1
		Attorney Docket Number	14534 (S&B file no. 82977-6)

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
/KY/	C11	BRADEN, R. (ed.); Memo (IETF RFC 1122): "Requirements for Internet Hosts -- Communication Layers" pp.1-117, October 1989		
/KY/	C12	STALLINGS, "High-speed Networks: TCP/IP and ATM Design Principles", pp. 240-255, Prentice-Hall 1998		
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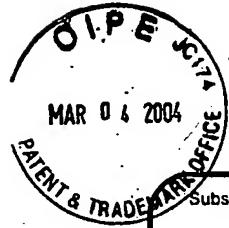
Examiner Signature	/Kan Yuen/	Date Considered	05/25/2007
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 3

Complete if Known

Application Number	10 722 423
Filing Date	11/28/03
First Named Inventor	Gary Lorne MacIsaac
Art Unit	2634 2616
Examiner Name	
Attorney Docket Number	82977-6

U.S. PATENT DOCUMENTS

Examiner	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
/KY/	A1	US-5,606,668	02-25-1997	Shwed	
/KY/	A2	US-6,088,804	07-11-2000	Hill et al.	
/KY/	A3	US-5,892,903	04-06-1999	Klaus	
/KY/	A4	US-5,343,485 A	08-30-1994	Khalil	
/KY/	A5	US-6,321,338 B1	11-20-2001	Porras et al.	
/KY/	A6	US-2002/0002688 A1	01-03-2002	Vange et al.	
/KY/	A7	US-2002/0178369 A1	11-28-2002	Porikli et al.	
/KY/	A8	US-6,292,466 B1	09-18-2001	Droz, Patrick	
/KY/	A9	US-6,499,107 B1	12-24-2002	Gleichauf et al.	
/KY/	A10	US-5,488,715	01-30-1996	Wainwright, Paul	
/KY/	A11	US-2002/0166083 A1	11-07-2002	Lachman et al.	
/KY/	A12	US-2002/078381 A1	08-20-2002	Farley et al.	
/KY/	A13	US-6,393,316 B1	05-21-2002	Gillberg et al.	
/KY/	A14	US-2003/0084327 A1	05-01-2003	Lingafelt et al.	
	A15	US-			
	A16	US-			
	A17	US-			
	A18	US-			
	A19	US-			
	A20	US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials [*]	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
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/KY/	B1	WO 99/40703 A1	08-12-1999	Ericsson Aus. Pty. Ltd.		<input type="checkbox"/>
/KY/	B2	WO 01/80524 A3	10-25-2001	Circadence Corp.		<input type="checkbox"/>
/KY/	B3	WO 01/46807 A1	06-28-2001	MCI Worldcom, Inc.		<input type="checkbox"/>
/KY/	B4	EP 0 999 718 A1	10-05-2000	Nortel Networks Corp.		<input type="checkbox"/>
/KY/	B5	WO 02/21802 A1	03-14-2002	Univ. of Michigan		<input type="checkbox"/>
/KY/	B6	WO 02/21244 A2	03-14-2002	Univ. of Michigan		<input type="checkbox"/>
/KY/	B7	WO 02/21801 A1	03-14-2002	Univ. of Michigan		<input type="checkbox"/>
/KY/	B8	WO 02/21302 A1	03-14-2002	Mazu Networks, Inc.		<input type="checkbox"/>
/KY/	B9	WO 02/21800 A1	03-14-2002	Univ. of Michigan		<input type="checkbox"/>

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 3

Complete If Known

Application Number	10-722423
Filing Date	11/28/03
First Named Inventor	Gary Lorne MacIsaac
Art Unit	2603 2616
Examiner Name	
Attorney Docket Number	82977-6

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
/KY/ B10	WO 02/21296 A1		03-14-2002	Mazu Networks, Inc.		
/KY/ B11	WO 02/21771 A1		03-14-2002	Mazu Networks, Inc.		
/KY/ B12	WO 02/21297 A1		03-14-2002	Mazu Networks, Inc.		
/KY/ B13	WO 02/19661 A3		03-07-2002	Top Layer Networks, Inc.		
/KY/ B14	WO 02/025402 A3		03-28-2002	BBNT Solutions LLC		
/KY/ B15	WO 02/03084 A1		01-10-2002	Netrake Corporation		
/KY/ B15	WO 99/48303 A2		09-23-1999	Cisco Tech Ind.		<input type="checkbox"/>
						<input type="checkbox"/>

Examiner Signature	/Kan Yuen/	Date Considered	05/25/2007
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STATEMENT BY APPLICANT

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Sheet 3 of 3

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Application Number	10/722,423
Filing Date	11/28/03
First Named Inventor	Gary Lorne MacIsaac
Art Unit	2631 2616
Examiner Name	
Attorney Docket Number	82977-6

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/KY/	C1	CERT and FedCIRC, "CERT Advisory CA-2000-01 Denial-of-Service Developments", Computer Emergency Response Team of Carnegie-Mellon University Software Engineering Institute, January, 2001, online: http://www.cert.org/advisories/CA-2000-01.html (date accessed: 24 February 2004).	
/KY/	C2	H. DEBAR et al., "Towards a taxonomy of intrusion-detection systems" (1999) 31:8 Computer Networks 805.	
/KY/	C3	M. ROUGHAN et al., "Real-Time Estimation of the Parameters of Long-Range Dependence" (2000) 8:4 IEEE/ACM Trans. on Networking 487.	
	C4	B.C. SOH et al. "Setting optimal intrusion-detection thresholds" (1995) 14:7 Computers & Security Int'l J. 621.	
/KY/	C5	J. MIRKOVIC et al. "A Taxonomy of DDoS Attacks and DDoS Defense Mechanisms" University of California, Los Angeles, Computer Science Department Technical Report #020018, published prior to December 13, 2002, online: http://www.cs.ucla.edu/ddos/ucla_tech_report_020018.pdf (date accessed: 24 February 2004).	
/KY/	C6	D. MOORE et al. "Internet Quarantine: Requirements for Containing Self-Propagating Code" University of California, San Diego, August, 2001, online: http://www.caida.org/outreach/papers/2003/quarantine/worm-infocom03.pdf (date accessed: 24 February 2004).	
/KY/	C7	P. BARFORD et al. "A Signal Analysis of Network Traffic Anomalies" November, 2002, online: http://www.icir.org/vem/imw-2002/imw2002-papers/173.pdf (date accessed: 24 February 2004).	
/KY/	C8	T. M. GIL et al. "MULTOPS: a data-structure for bandwidth attack detection" Proceedings of the 10th USENIX Security Symposium, Washington, D.C., August 2001, online: http://pdos.csail.mit.edu/holder/mit/multops_usenix2001.pdf (date accessed: 24 February 2004).	

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